

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004041**Date Inspected:** 17-Sep-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No			
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG				

**Summary of Items Observed:**

Ultrasonic verification of weldments

This Quality Assurance (QA) inspector arrived at ZPMC in Shanghai China for random observation of Orthotropic Bridge Girders (OBG) and Self Anchored Suspension (SAS) Bridge. This QA inspector received NDT notification number 1050 from ZPMC and proceeded to perform Ultrasonic verification (UT) on Side plate "WT" stiffeners identified as SP314-001 welds 043~050 052, 054, 056, 058,060 and 062. SP101-001 welds 043~056. SP128-001 welds 037~040 and 045~048. ZPMC had performed 25% UT testing for the weldments as outlined in the contract documents and had accepted the percentage as acceptable. This QA inspector performed 10% UT verification on the percentage that was performed by ZPMC and at the time of the QA review found the areas appeared to be within contract documents. After ZPMC had performed their testing and accepted the weldments. A TL-6027 will be generated for these locations.

**Summary of Conversations:**

No Conversations noted.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco , 1-381-694-2685, who represents the Office of Structural Materials for your project.

**Inspected By:** Riley,Ken

Quality Assurance Inspector

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# WELDING INSPECTION REPORT

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**Reviewed By:** Carreon,Albert

QA Reviewer